GALOCHKIN, N. A.

2

B. T. R.
Vol. 3 No. 4
Apr. 1954
Space Heating and Conditioning

3731* Regeneration Device With Air Conditioning. (Russian.) N. A. Galochkin. *Bumazhnaia Promyshlennost*, v. 28, no. 10, Oct. 1953, p. 24-25.

Discusses more rational use of heat coming from drying part of the equipment. Diagrams.

9/17/54

GALOCHKIN, Nikolay Aleksandrovich; LADYZHENSKIY, R.M., dotsent, retsenzent; GOL'DSHTEYN, I.D., redaktor; DASHKOVA, Z.F., redaktor; KOLESHIKOVA, A.P., tekhnicheskiy redaktor

[Ventilation of pulp and paper factories] Ventiliatsiia predpriiatii tselliuloznobumazhnoi promyslhennosti. Moskva, Goslesbumizdat, 1955. 222 p. (MLRA 8:11)
(Ventilation) (Wood-using industries)

GALOCHKIN, N.A., inzh.

Basic characteristics of a ferromagnetic frequency tripler with resistive-capacitive load. Izv. vys. ucheb. zav.; energ. no.5: 43-53 My '58. (MIRA 11:8)

1. Ivanovskiy energeticheskiy institut im. V.I. Lenina.
(Frequency multipliers)

GALOCHKIN, N.A., inzh.

Bases for analytic calculations for a frequency tripler under active capacitive load. Sbor.nauch.trud IEI no.8: 278-294 '58. (MIRA 13:4)
(Frequency changers)

GALOCHKIN, N.A., inzh.

Limits of the area of existence of the relay effect in ferromagnetic frequency tripplers. Izv. vys. ucheb. zav.; energ. 3 no.8:35-42 Ag '60. (MIRA 13:9)

1. Ivanovskiy energeticheskiy institut imeni V.I. Lenina. Predstavlena kafedroy elektricheskikh stantsiy i podstantsiy.
(Frequency multipliers)

GALOCHKIN, N. A., CAND TECH SCI, "~~INVESTIGATION~~ Studies OF CERTAIN PROPERTIES AND REGIMES OF FERROMAGNETIC FREQUENCY TRIPLERS WITH CAPACITIVE COMPENSATION." GOR'KIY, 1961. (MIN OF HIGHER AND SEC SPEC ED RSFSR. GOR'KIY POLYTECH INST IMENI A. A. ZHDANOV). (KL-DV, 11-61, 218).

GALOCHKIN, N.P.; BORULYA, V.L., red.; VOL'FBERG, D.B., red.; SAVEL'YEV, V.I., red.; KORUZEV, N.N., tekhn.red.

[Some problems pertaining to the development of electric power engineering in the U.S.A. (1948 to 1957)] Nekotorye voprosy razvitiia elektroenergeticheskogo khoziaistva SShA, 1948-1957 gg. Moskva, Gos.energ.izd-vo, 1959. 82 p. (MIRA 13:3)
(United States--Power engineering)

GALOCHKIN, N.P.; VOL'FBERG, D.B., inzh., red.; LEVCHIK, L.P., red.; SOLOV'YEVA, A.I., tekhn. red.

[Electric power engineering and power plant construction in the Commonwealth of Australia] Elektroenergetika i energeticheskoe stroitel'stvo Avstraliiskogo Soiuza. Moskva, Orgenergostroi, 1963. 75 p. (MIRA 16:11)
(Australia--Electric power)

[illegible], L., [illegible]; [illegible], V., [illegible]; [illegible], A., [illegible]

Revolution in military affairs and some problems in party and political work. Komm. Vooruzh. Sil 5 no. 9:8-16 S '65.

(MIRA 18:12)

KRYUKOV, A.I., kand.tekhn.nauk; GALOCHKIN, Ye.D.; KHUDNITSKIY, I.I.

Determining the tractive forces of scrapers. Stroi. i dor. mash. 8 no.2:20-22 F '63. (MIRA 16:3)

(Scrapers)

GALOCHKIN, Yevgeniy Dmitriyevich; ZUBKOVA, M.S., red.

[Manual for grader elevator operators] Posobie mashinistu greider-elevatora. Moskva, Transport, 1964. 90 p. (MIRA 17:6)

GALOCHKIN, Ye.D., inzh.

The D-565 multi-bucket loader. Stroi. i dor. mash. 9 no.3:6-7 Mr '64. (MIRA 17:6)

GALOCHKIN, Ye.D., inzh.; KRIVULYA, G.S., inzh.

The USP-10 dump semitrailer with two-side dumping. Stroi. i dor. mash. 9 no.12:14-15 D '64. (MIRA 18:3)

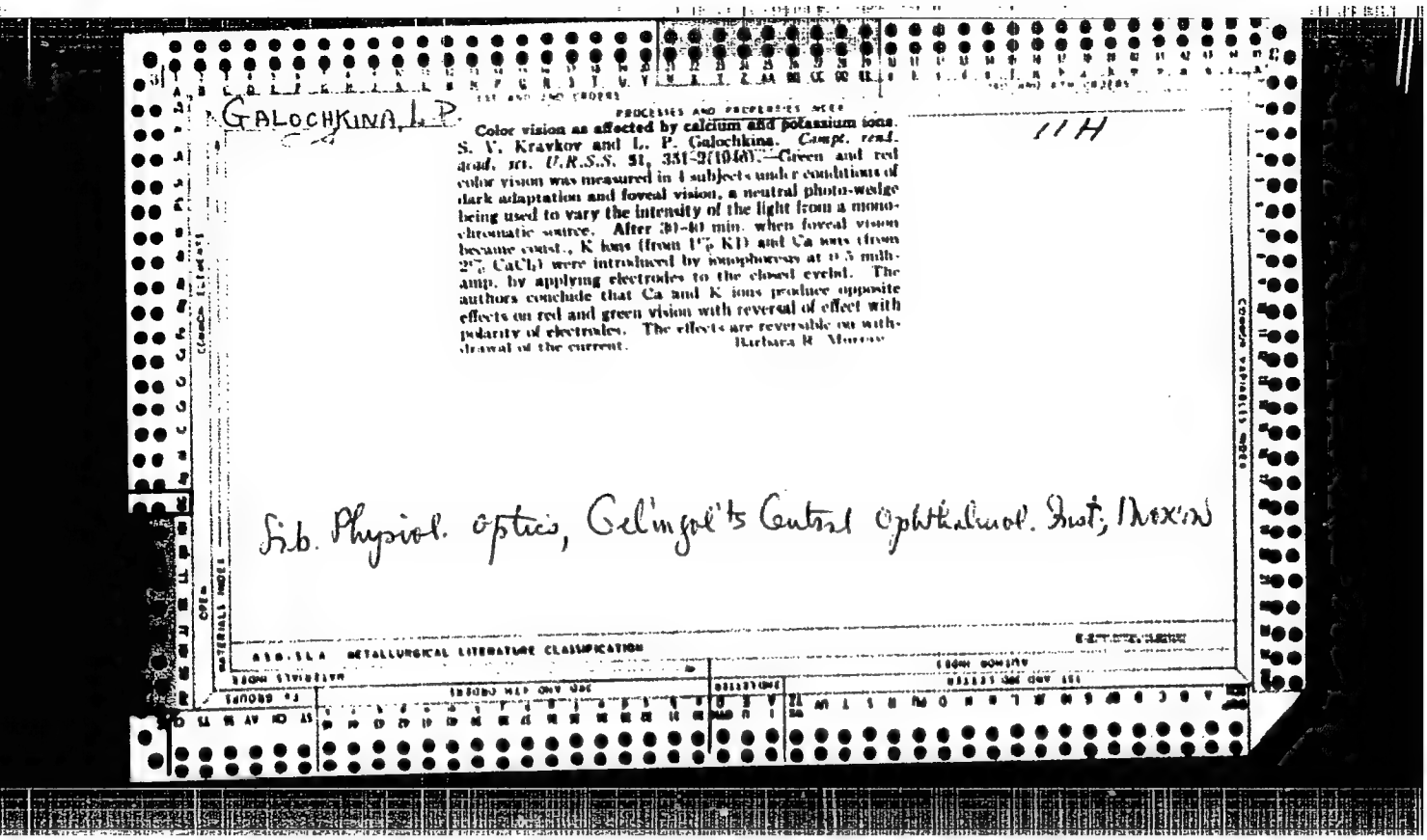
BOLOTOV, A.R.; GALOCHKINA, A.P., inzh.

Intensification of the melting processes and increasing the productivity of the pot furnace. Stek. i ker. 20 no.6:1-4 Je '63. (MIRA 16:6)

1. Direktor Ulan-Udenskogo stekol'nogo zavoda (for Bolotov).
2. Ulan-Udenskiy stekol'nyy zavod (for Galochkina).
(Ulan-Ude—Glass manufacture)

GALOCHKINA, G.S.; KHREMOV, V.I.; VAGANOVA, N.A., red.; GROMOV, A.S., tekhn. red.

[Plastics in public food service and trade enterprises] Plastmassy v predpriiatiiakh torgovli i obshchestvennogo pitaniia. Moskva, Gos. izd-vo torg. lit-ry, 1961. 119 p. (Plastics) (MIRA 15:2)
(Restaurants, lunchrooms, etc.--Equipment and supplies)



GALOCHKINA, L. P.

PROCESSES AND PROPERTIES INDEX

Color vision as affected by calcium and potassium ions. S. V. Kravkov and L. P. Galochkina. *Compt. rend. acad. sci. U.R.S.S.* 51, 331-2(1946).—Green and red color vision was measured in 4 subjects under conditions of dark adaptation and foveal vision, a neutral photo-wedge being used to vary the intensity of the light from a monochromatic source. After 30–40 min. when foveal vision became const., K ions (from 1% KI) and Ca ions (from 2% $CaCl_2$) were introduced by iontophoresis at 0.5 milliamp. by applying electrodes to the closed eyelid. The authors conclude that Ca and K ions produce opposite effects on red and green vision with reversal of effect with polarity of electrodes. The effects are reversible on withdrawal of the current. Barbara R. Morrow

11H

Lib. Physiol. optics, Gel'fgol'ts Central Ophthalmol. Inst; Moscow

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

[illegible], L. F. and [illegible], V. V.

Helmholtz Central Ophthalmological Institute, Moscow, U.S. S.R.
Effect of a constant current on vision Journal of the Optical Society of America 1947, 37/3 (181-186)

3670

The literature is reviewed on the effect of galvanic current on subjective vision and for foveal cone vision, during and immediately after the passage of a weak galvanic current through the sys. Peripheral rod vision was tested under complete dark adaptation with an adaptometer designed by the authors. The threshold of foveal cone vision was determined for monochromatic light from several regions of the spectrum by means of an extinction method. The active electrode was placed against the patient's temple, the indifferent electrode in one of his hands. Currents of either 0.02 or 0.2 milliamperes for three or ten minutes were applied. Under the influence of such currents cone and rod sensitivity showed definite changes depended upon which pole was placed near the eye. A theory is advanced explaining the action of the constant current on the eye by changes in the relative concentration of calcium and potassium ions in the vicinity of the active electrode. This theory has received support from a series of experiments in which the the visiual thresholds were determined during calcium and potassium iontophoresis, again with the active electrodes placed against the patient's temple.

Kronfeld - Chicago
(Sec. XII)

SO: Section II Vol. 1^2 No. 7-12

GALOCSI, G.

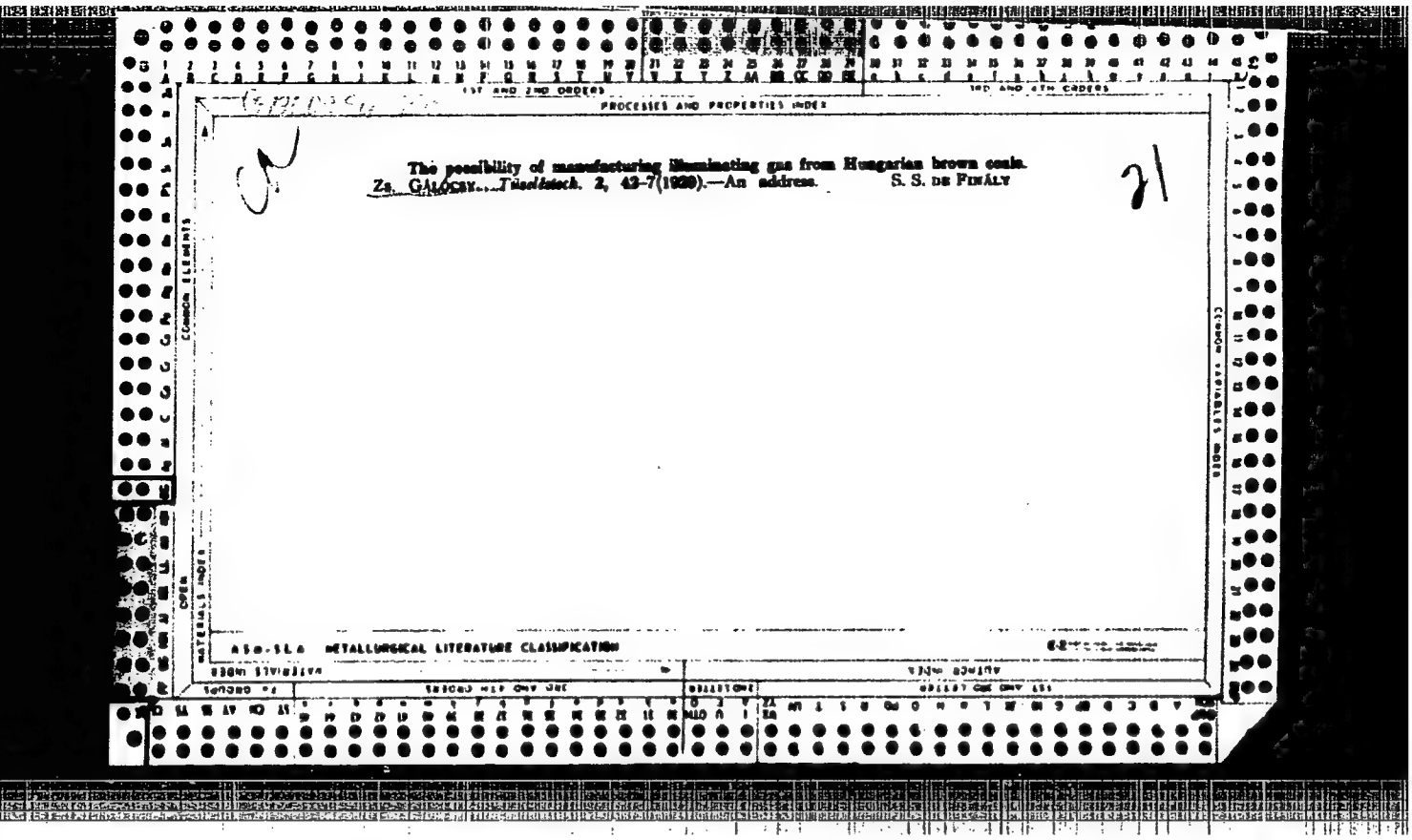
New treatment of rheumatic fever. (Preliminary report). Orv. hetil. 92 no.18:569-572 6 May 1951. (CIML 24:5)

1. Doctor. 2. Second Internal Department (Head Physician -- Dr. Gyorgy Galocsi), Bajcsy Zsilinszky General Hospital (Director -- Dr. Gabriella Andics), Budapest. 3. Use of saltless Kempner-diet combined with mercurial-diuretic to decrease sodium in the body.

GALOCSI, Gyorgy, dr.

Recent experiences related to the unification of hospital and polyclinical services in the Sandor Peterfy Hospital in Budapest. Nepegeszsegugy 41 no.10:297-304 O '60.

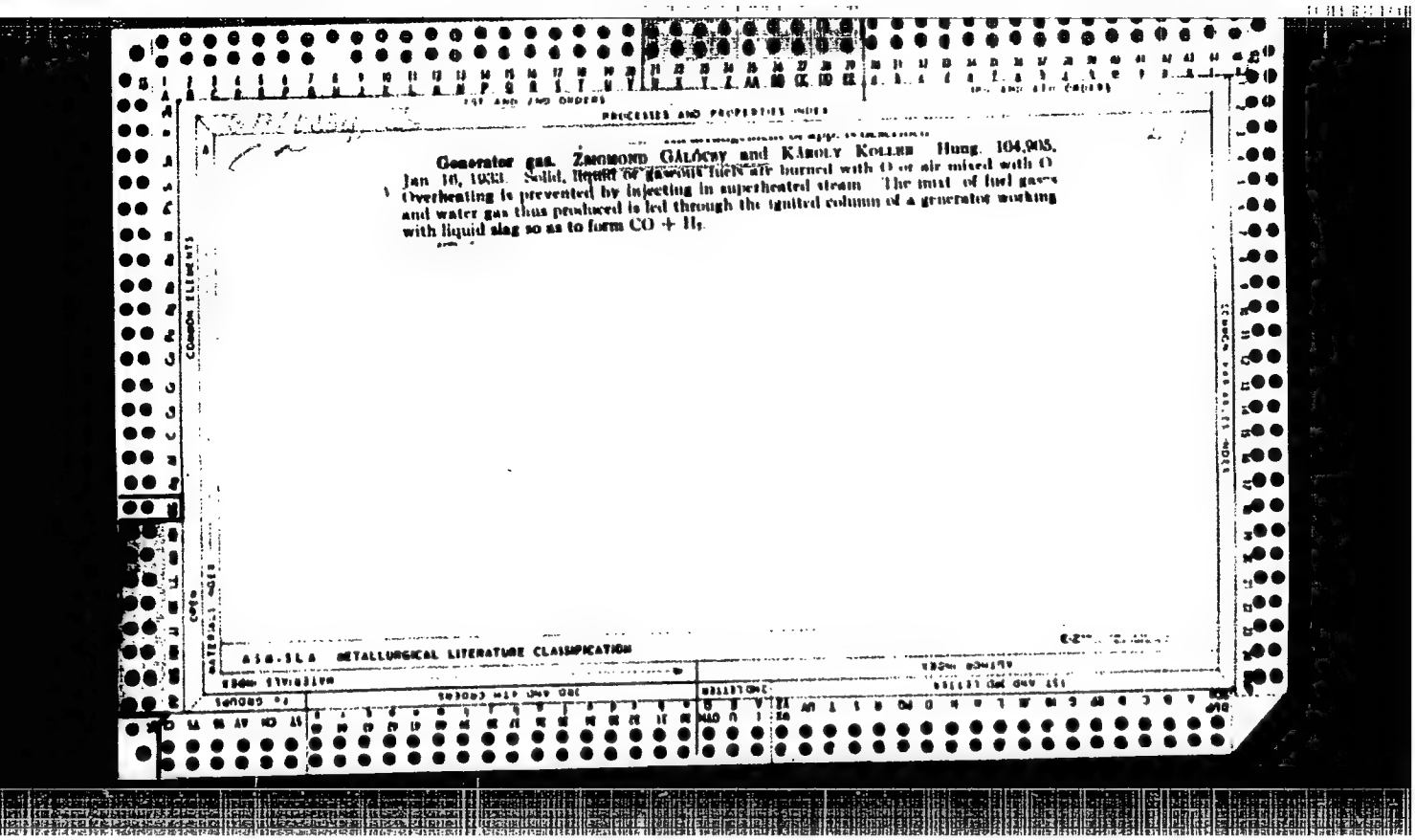
(HOSPITALS)



PROCESSES AND PROPERTIES INDEX

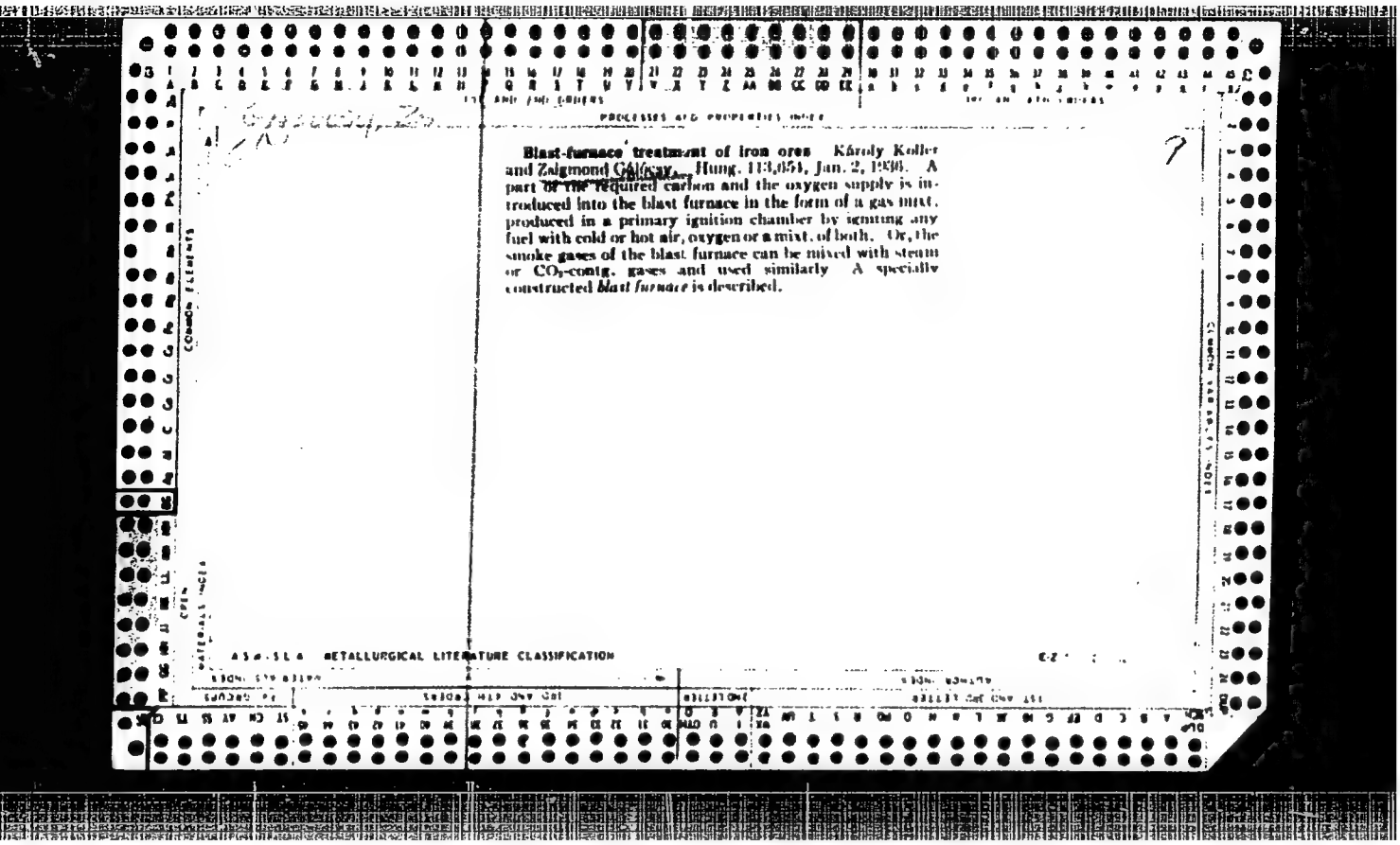
The possibility of manufacturing illuminating gas from Hungarian brown coals.
Zs. GALOCSY. *Tüzéstech.* 2, 43–7(1928).—An address. S. S. DE FINÁLY

A58-51A METALLURGICAL LITERATURE CLASSIFICATION

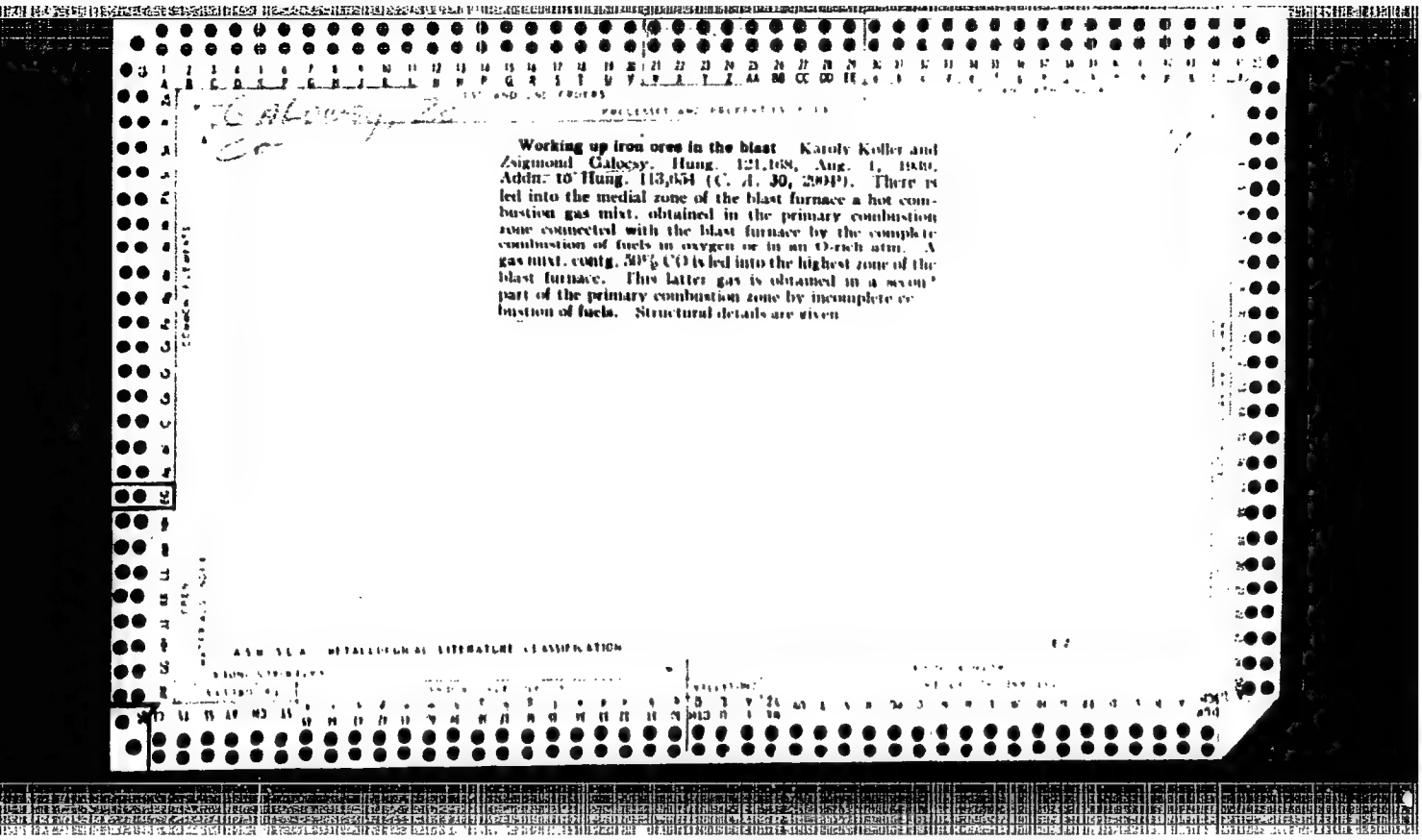


Generator gas. ZSIGMOND GÁLOCSY and KÁROLY KELLER Hung. 104,905, Jan 10, 1933. Solid, liquid or gaseous fuels are burned with O or air mixed with O. Overheating is prevented by injecting in superheated steam. The mixt. of fuel gases and water gas thus produced is led through the ignited column of a generator washing with liquid slag so as to form CO + H_2.

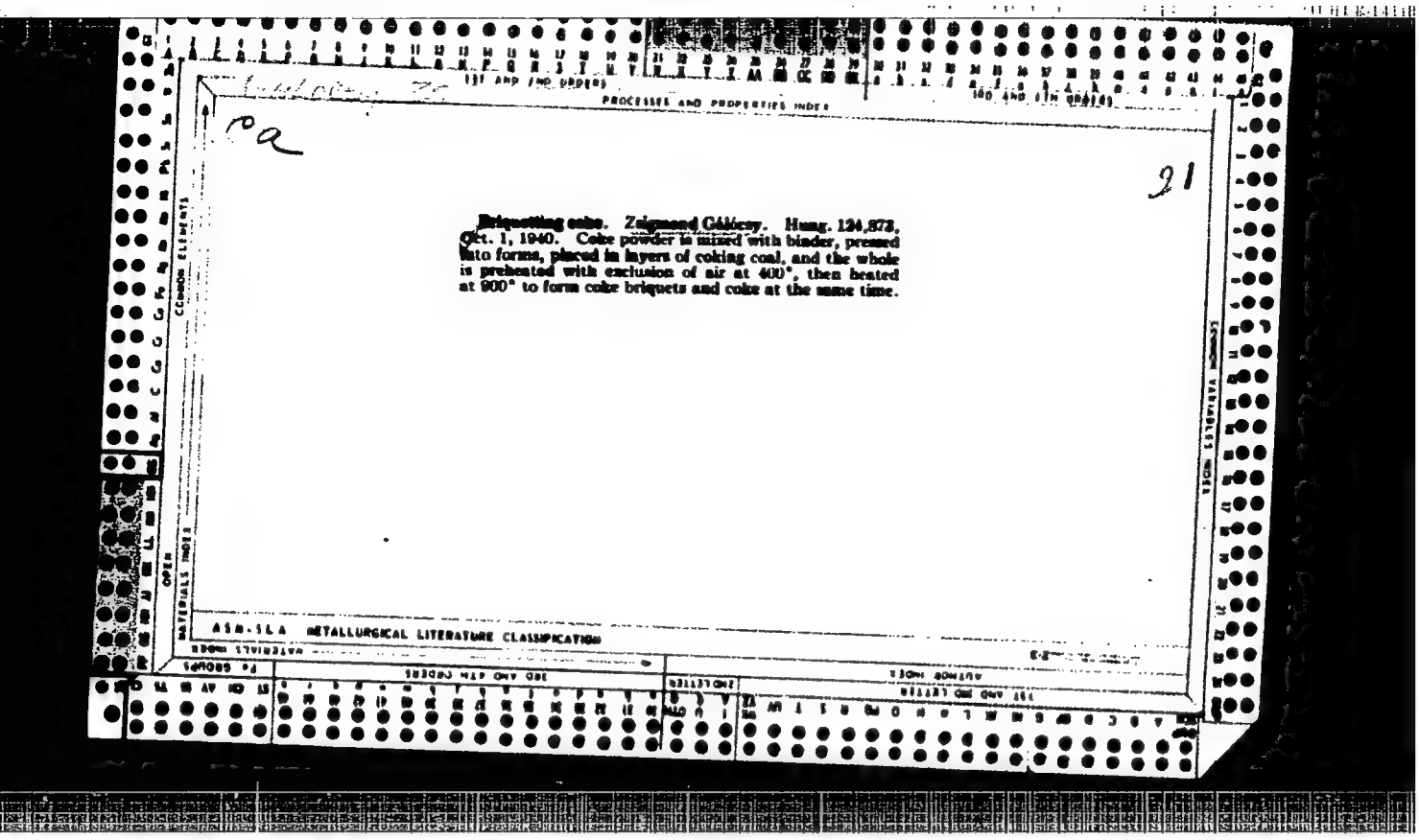
A 5 8 - 5 L A METALLURGICAL LITERATURE CLASSIFICATION



Blast-furnace treatment of iron ores Károly Koller and Zsigmond Gálfay, Hung. 113,051, Jan. 2, 1936. A part of the required carbon and the oxygen supply is introduced into the blast furnace in the form of a gas mixt. produced in a primary ignition chamber by igniting any fuel with cold or hot air, oxygen or a mixt. of both. Or, the smoke gases of the blast furnace can be mixed with steam or CO_2-contg. gases and used similarly. A specially constructed *blast furnace* is described.



Working up iron ores in the blast Karoly Koller and Zsigmond Galocsy. Hung. 121,168, Aug. 1, 1939. Addn. to Hung. 113,654 (C. A. 30, 3904). There is led into the medial zone of the blast furnace a hot combustion gas mixt. obtained in the primary combustion zone connected with the blast furnace by the complete combustion of fuels in oxygen or in an O-rich atm. A gas mixt. contg. 30% CO is led into the highest zone of the blast furnace. This latter gas is obtained in a second part of the primary combustion zone by incomplete combustion of fuels. Structural details are given

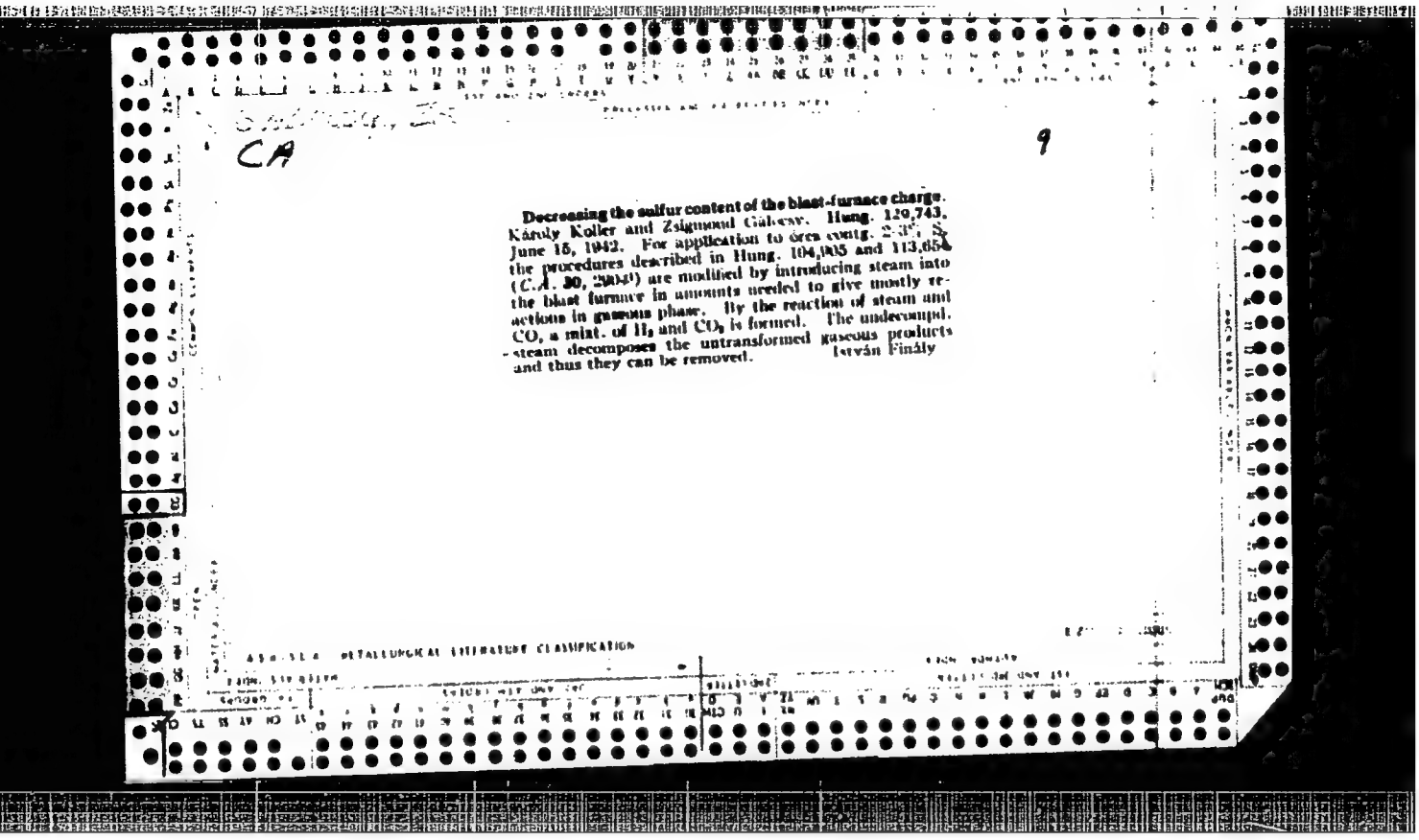


PROCESSES AND PROPERTIES INDEX

21

Briquetting coke. Zsigmond Gáldecsy. Hung. 124,873, Oct. 1, 1940. Coke powder is mixed with binder, pressed into forms, placed in layers of coking coal, and the whole is preheated with exclusion of air at 400°, then heated at 900° to form coke briquets and coke at the same time.

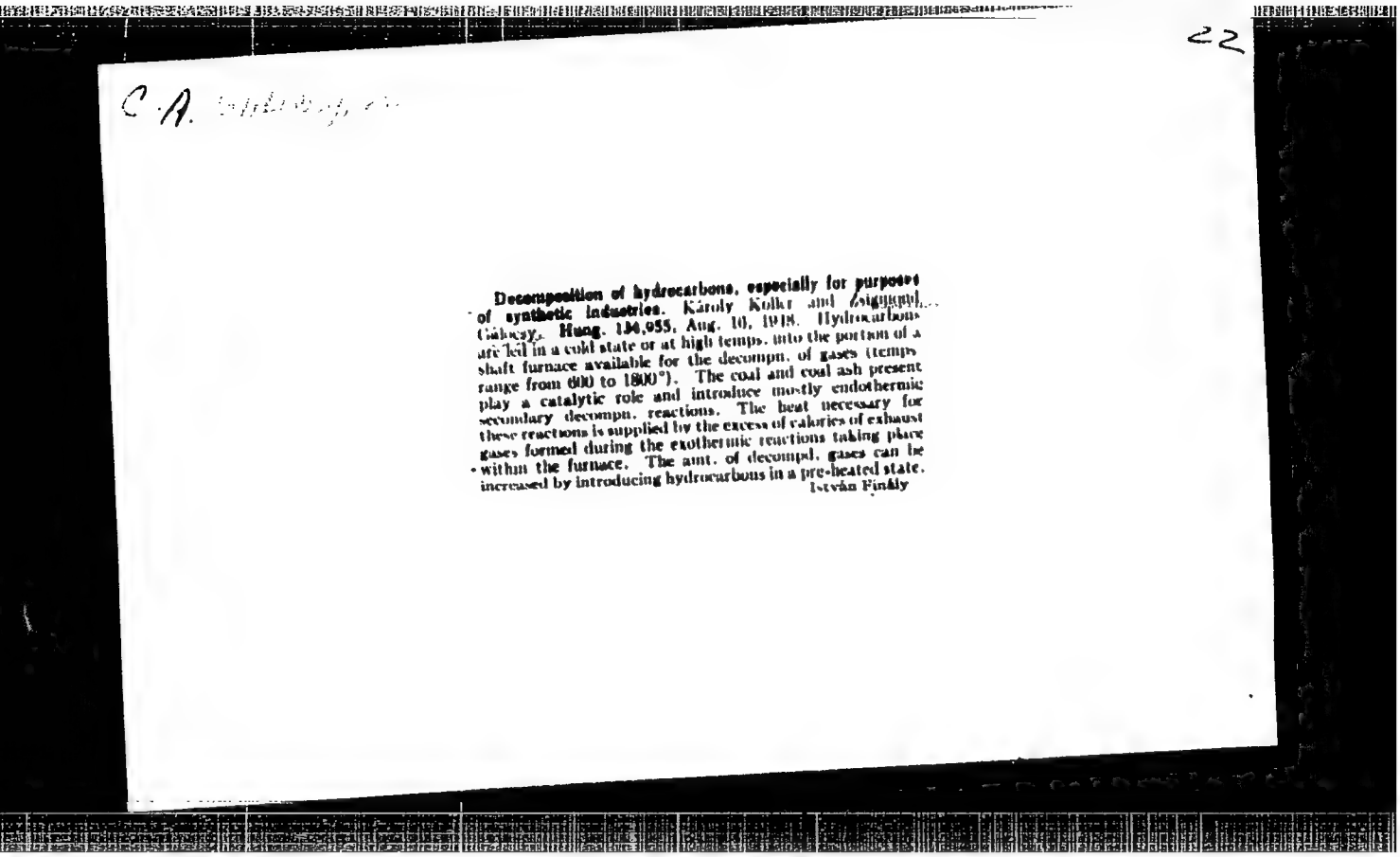
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



CA

9

Decreasing the sulfur content of the blast-furnace charge. Károly Koller and Zsigmond Gálcsay. Hung. 129,743, June 15, 1942. For application to ores contg. 2-3% S the procedures described in Hung. 104,905 and 113,654 (*C.A.* **30**, 2034[3]) are modified by introducing steam into the blast furnace in amounts needed to give mostly reactions in gaseous phase. By the reaction of steam and CO, a mixt. of H_2 and CO_2 is formed. The undecompd. steam decomposes the untransformed gaseous products and thus they can be removed. István Finály



22

C.A.

Decomposition of hydrocarbons, especially for purposes of synthetic industries. Károly Kolkr and Zsigmond Csécsy. **Hung.** 130,955, Aug. 10, 1918. Hydrocarbons are fed in a cold state or at high temps. into the portion of a shaft furnace available for the decompn. of gases (temps. range from 600 to 1800°). The coal and coal ash present play a catalytic role and introduce mostly endothermic secondary decompn. reactions. The heat necessary for these reactions is supplied by the excess of calories of exhaust gases formed during the exothermic reactions taking place within the furnace. The amt. of decompd. gases can be increased by introducing hydrocarbons in a pre-heated state.

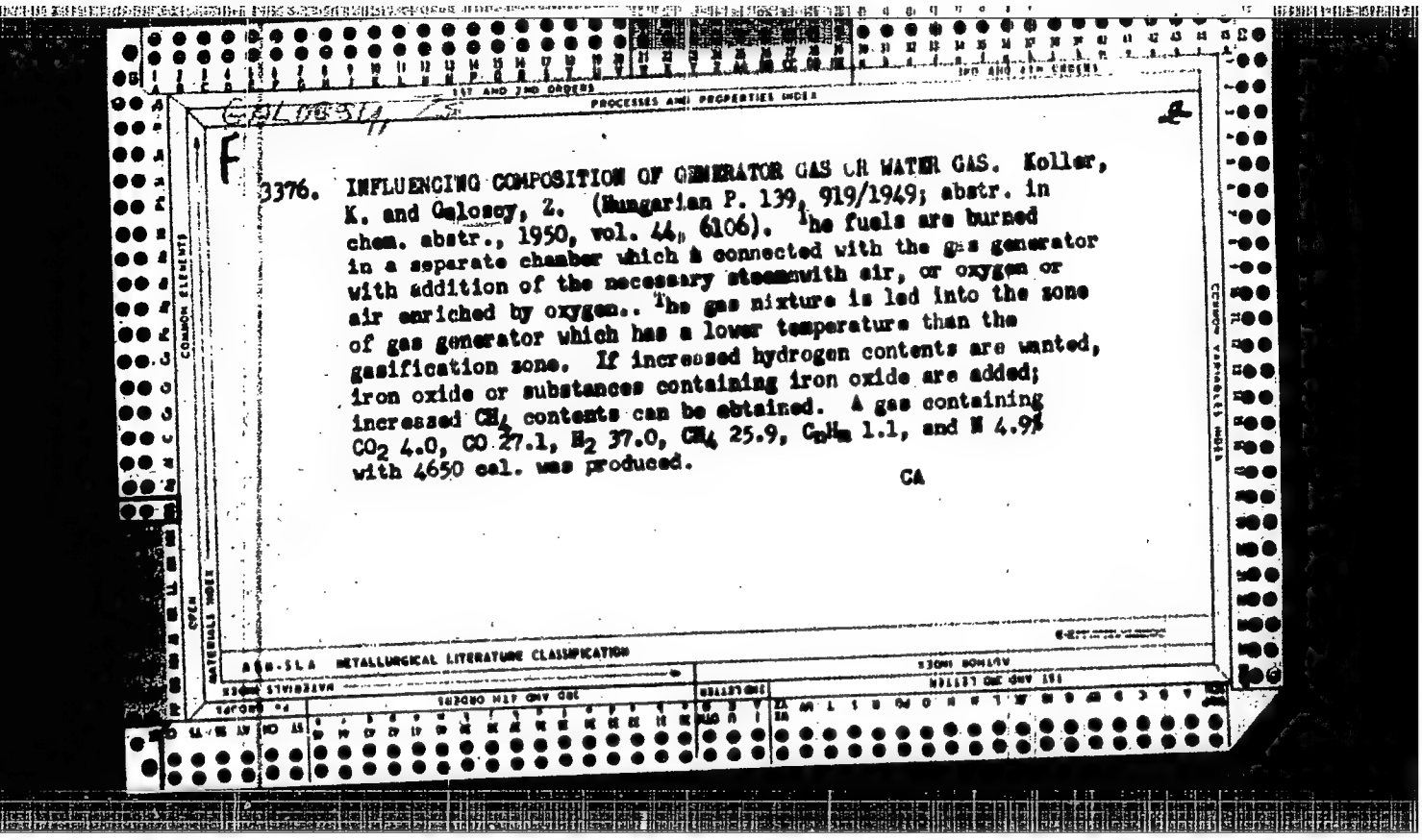
István Finály

CA

21

Influencing the composition of generator gas or water gas. Károly Koller and Zsigmond Gáldecy. **Hung.** 139,919, Sept. 24, 1949. The fuels are bifried in a sep. chamber which is connected with the gas generator with addn. of the necessary steam with air, or O or air enrichened by O. The gas mixt. is lead into the zone of gas generator which has a lower temp. than the gasification zone. If increased H contents are wanted, then iron oxide or substances contg. iron oxide are added; increased CH_4 contents can be obtained. A gas contg. CO_2 4.0, CO 27.1, H_2 37.0, CH_4 25.9, C_nH_m 1.1, and N 4.9% with 4650 cal. was produced.

István Finály



F

3376. INFLUENCING COMPOSITION OF GENERATOR GAS OR WATER GAS. Koller, K. and Galossy, Z. (Hungarian P. 139, 919/1949; abstr. in chem. abstr., 1950, vol. 44, 6106). The fuels are burned in a separate chamber which is connected with the gas generator with addition of the necessary steamwith air, or oxygen or air enriched by oxygen.. The gas mixture is led into the zone of gas generator which has a lower temperature than the gasification zone. If increased hydrogen contents are wanted, iron oxide or substances containing iron oxide are added; increased CH_4 contents can be obtained. A gas containing CO_2 4.0, CO 27.1, H_2 37.0, CH_4 25.9, C_nH_m 1.1, and N 4.9% with 4650 cal. was produced.

CA

Fuel Abstracts

Gasification - F

3317. GAS MIXTURES RICH IN AMMONIA IN GENERATORS. Galoczy, Z., Ass. to Bogogas, S.A. (U.S.P. 2,582,936/1952, abstr. in Chem. Abstr. 1952, vol. 46, 3738). Coarse grained carbonaceous materials containing nitrogen are gasified in generators with oxygen or gases containing oxygen by feeding water vapour into the generator at one or more places where a temperature of at least 900° prevails and where the gasification has been concluded entirely or in greater part. Because the water vapour is introduced separately, all nitrogen present may be converted to ammonia. C.A.

GALOGAZA, V. (Zagreb); HERAK, J.N. (Zagreb)

Reflection dependence of microwave carrier lifetime measurements in semiconductors. Glas mat fiz Hrv 17 no.1/2:123-128 '62 [publ. '63].

1. Institute "Ruder Boskovic", Zagreb.

GALOMEDOVA, T. I.

Botanical Chemistry: Plants, Effect of Poisons On

Toxic effect on plants of their aqueous extractions. Agrobiologiia no. 2:132-134 Mr-Ap '52.

Vsesoyuznyy Institut Agrolesome Lioratsii

SO: Monthly List of Russian Accessions, Library of Congress, July 1953, Uncl.

GROZINSKAYA, Z.P., kand.tekhn.nauk; GAL'PERIN, M.Ya., inzh.

Increasing fatigue resistance by shot peening. Metalloved.i term.obr.met. no.2:43-45 F '62. (MIRA 15:3)

1. Institut mashinovedeniya AN SSSR.
(Shot peening) (Metals—Fatigue)

GALON, R.

"Problem of the Peneplain According to Henri Baulig," P. 91,
(CZASOPISMO GEOGRAFICZNE, Vol. 23/25, 1952/53, Wroclaw, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3,
No. 12, Dec. 1954, Uncl.

GALON, R.

"Principal Morphologic Landscapes of the World in the Light of Synthetic Profiles Characterizing Them", P. 26, (CZA[illegible]PISMO GEOGRAFICZNE Vol. 25, No. 1/2 Wroclaw, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. -, No. 5 May 195-, Uncl.

CAILON, R.

"Some geomorphological problems of the Quaternary of the Polish Lowland, p. 36." (PRZEGLAD GEOGRAFICZNY. POLISH GEOGRAPHICAL REVIEW, Vol. 25, no. 2, 1953, Warszawa, Poland.)

SO: East European L. C. Vol. 2, No. 12, Dec. 1953

GAION, R.

Czasopismo Geograficzne - Vol. 25, no. 3, 1954.

Problem of number of glaciations in the Quaternary period in the light of eustatic oscillations of the level of oceans and changing temperature of their surface waters. p. 228.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

GALON, R.

Polish Geographic Society at a new stage in its activities. p. 329.
Vol. 25, no. 4, 1954. CZASOPISMO GEOGRAFICZNE. Wroclaw, Poland.

So: Eastern European Accession. Vol. 5, no. 4, April 1956

GALON, R.

"Program and Organization of Limnologic Research in Poland." P. 12, (PRZEGLAD GEOGRAFICZNY. POLISH GEOGRAPHICAL REVIEW, Vol. 26, No. 2, 1954, Warszawa, Poland.)

SO: Monthly List of East European Accessions, (KEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

GALON, R.

"Preliminary Report on a Paper Concerning the Disappearance of Lakes in Poland." P. 81, (PRZEGLAD GEOGRAFICZNY. POLISH GEOGRAPHICAL REVIEW, Vol. 26, No. 2, 1954, Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

GALON, R.

"Development of Physical Geography During the Decade of People's Poland." P. 32 (PRZEGLAD GEOGRAFICZNY. POLISH GEOGRAPHICAL REVIEW, Vol. 26, No. 3, 1954, Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

GALON, R.

"Regional Geographic Monographs Published in the Years 1945-1954," P. 96 (PRZEGLAD GEOGRAFICZNY. POLISH GEOGRAPHICAL REVIEW, Vol. 26, No. 3, 1954, Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

GALON, R.

"Combined Chair of Geography at Nicolaus Copernicus University in Torun in the Years 1945-1954." P. 169,
(PRZEGLAD GEOGRAFICZNY. POLISH GEOGRAPHICAL REVIEW, Vol. 26, No. 3, 1954, Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol, 3, No. 12, Dec. 1954, Uncl.

GALON, R.

Experimental interpretation of the geomorphological map of Bydgoszcz Voivodeship from the point of view of the regionalization of agricultural production. p. 48. (PRZEGLAD GEOGRAFICZNY, POLISH GEOGRAPHICAL REVIEW, Warszawa, Vol. 26, no. 4, 1954.)

SO: Monthly List of East European Accessions, (EEAI), LC, Vol. 4, No. 4, Jan. 1955.

GALON, Rajmund

Some problems of paleogeography of the Quaternary Period in Poland. Priroda 44 no.8:63-66 Ag '55. (MLRA 8:10)

1. Professor Universiteta imeni N.Kopernika v Torune. 2. Prezident Pol'skogo geograficheskogo obshchestva
(Poland--Paleogeography)

GALON, R.; LESZCZYCKI, S.

1st Congress of Hungarian Geographers

p. 345
Vol. 28, no. 2, 1956
PRZEGLAD GEOGRAFICZNY
Warszawa

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 12
December 1956

GALON, RAJMUND

[Galon, Rajmund, Rozwój geografii fizycznej w okresie dziesięciolecia Polski Ludowej, [Development of physical geography during the decade of People's Poland/] *Przegląd Geograficzny*, Warsaw, 26(3):32–52, 1954. bibliog. p. 46–49. Russian and English summaries p. 50–51. DWB—Reviews present status and achievements made during the postwar period in physical geography: 1) Geomorphology—new plans have been drawn up and complex investigations have been started by the Geographic Institute of the Academy of Sciences. 2) Climatology—in addition to E. ROMER's New synthesis of climates of Poland, a series of monographs on various regions with descriptions of diverse climatic elements have been issued. 3) Hydrology—a hydrologic map has been started. Only limnology has been extensively developed. Among the many new publications, The catalogue of Polish lakes deserves special mention. 4) Soil Geography and 5) Biogeography have been neglected. Problems which hamper progress in the field of physical geography are reviewed. Includes list of 27 papers on climatology published in various periodicals. *Subject Headings:* 1. Physical geography 2. Climatology 3. Climatology bibliographies of Poland.—*A.M.P.*

GALON, R.

"Problem of the last glacial period in Poland."

p. 219 (Kosmos. Serbia B: Przyroda Nieozywiona) Vol. 3, no. 3, 1957
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

GALON, R.

Congress of the Geographical Society of the German Democratic Republic in 1958. p.67

CZSOPISMO GEOGRAFICZNE. (Polskie Towarzystwo Geograficzne) Wroclaw, Poland, Vol. 30, no. 1, 1959

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Uncl.

GALON, R.

50 years of the Polish Geographical Society. p. 3.

CZASOPISMO GEOGRAFICZNE. (Polskie Towarzystwo Geograficzne, Wroclaw, Poland, Vol. 30, no. 1, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960 Uncl.

GALON, Rajmund, ord. prof., dr.

New investigations of inland dunes in Poland. Przegl geogr Suppl. to v 31:93-110 '59. (EEAI 9:6)

1. Head of the Section of Geomorphology and Hydrography of the Department of Physical Geography, Institute of Geography of the Polish Academy of Sciences, Torun. Head of the Associated chairs of Geography of the Nicholas Copernicus University and of the university's Department of Physical Geography, Torun. (Poland-- Sand)

GALON, Rajmund

Problem of geomorphological classification of the Polish coast. Przegl geogr Suppl. to 32:67-77 '60. (EEAI 10:4)

1. University of Nicholas Copernicus, Associeted Chairs of Geography, Torun.
(Poland--Coast) (Poland--Geomorphology)

GALON, Rajmund; ROSZKOWNA, Ludmila

Extents of the Scandinavian glaciations and of their recession stages on the territory of Poland in the light of an analysis of the marginal forms of inland ice. Przegl geogr 33 no.3:347-364 '61.

1. Zaklad Geomorfologii, Uniwersytet im. Mikolaja Kopernika, Torun.

GALON, Rajmund

The 6th Congress of the International Association for Quaternary Research, Warsaw, August 26 - September 20, 1961. Nauka polska 10 no.2:142-152 '62.

1. Polska Akademia Nauk, Instytut Geografii, Warszawa

GALON, Rajmund

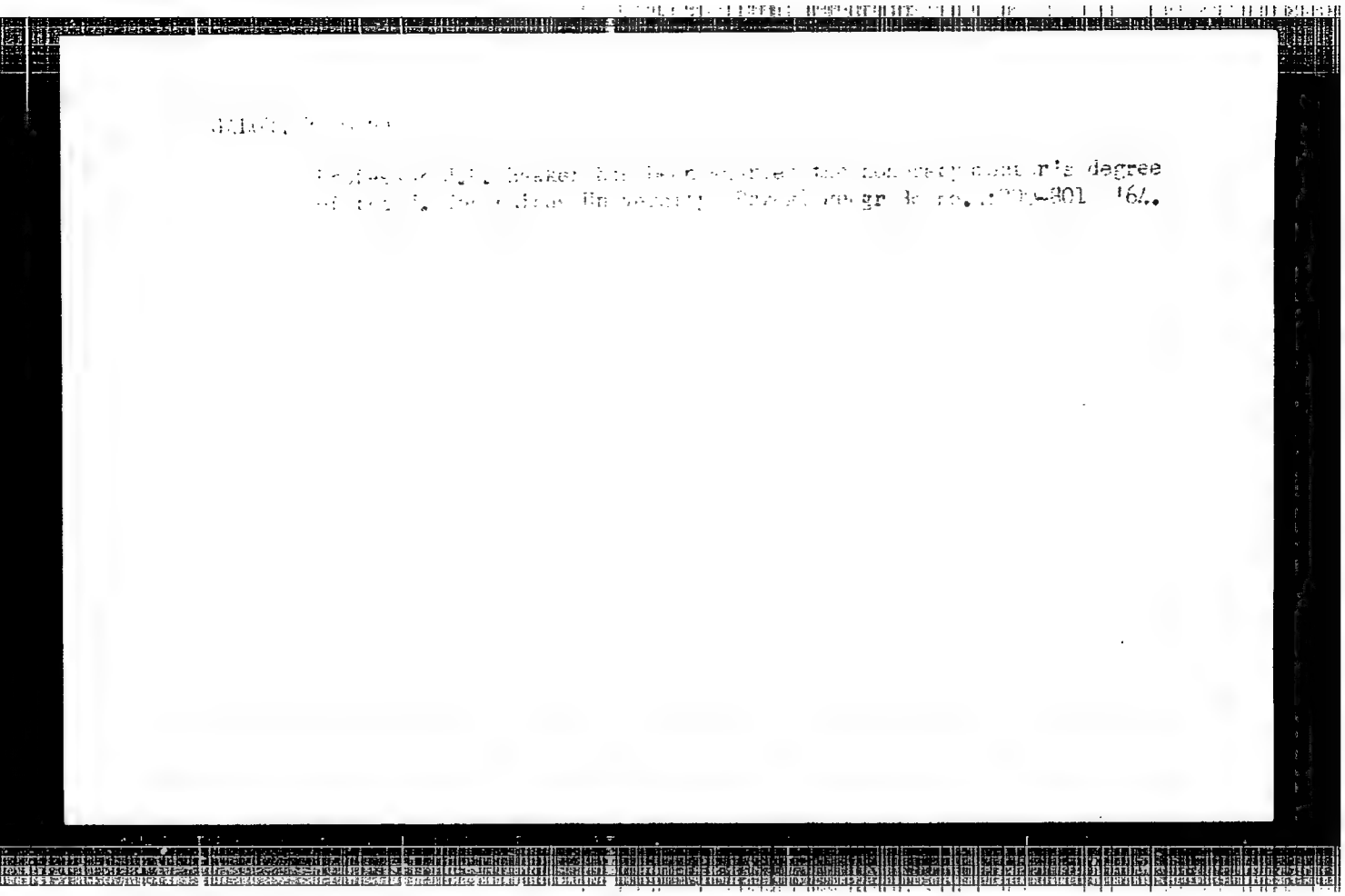
The 6th Congress of the International Quaternary Association (INQUA) in Poland. Przegl geogr 34 no.2:261-280 '62.

[illegible], Rajmund

Physiographic basis of agriculture in Bydgoszcz Voivodeship. Przegl geogr 30 no.1:97-[illegible] '[illegible]

GALON, Bajmund, prof. dr

Complex of Departments of Geography, N. Copernicus University, Torun, during the 20-year period of the Polish People's Republic. Przegl. geogr. 36 no.3:577-583 '64.



GALON, Rajmund

Problems of physical geography as applied in the case of the Brda River region. Nauki matem przyrod Torun no.10:125-133 '64.

1. Department of Physical Geography of the N. Copernicus University, Torun.

GALON, R. prof. dr; SALONI, Janina, mgr

Minutes of the General Meeting of the Polish Geographical Society held in Torun, September 14, 1963. Czasop geograf 36 no.2:228-232 '65.

1. N.Copernicus University, Torun (for Galon). 2. Secretary General of the Polish Geographical Society, Warsaw (for Saloni).

GALONEN, L. M.

Galonen, L. M. Sur l'intégration formelle de quelques équations aux dérivées partielles du second ordre. C. R. (Doklady) Acad. Sci. URSS (N.S.) 55, 283–286 (1947).

For the equation $F(x, p, q, r, s, t) = 0$, where $z = z(x, y)$ and p, q, r, s, t are partial derivatives of the first and second order, the author presents a method of finding particular solutions when p and q are thought of as functions of z alone. Also the paper discusses methods of obtaining, from particular solutions containing arbitrary constants, solutions containing arbitrary functions. In some cases these methods lead to the general integral of $F(x, p, q, r, s, t) = 0$.

F. G. Dressel (Durham, N. C.).

Source: Mathematical Reviews, Vol. 10, No. 1

GALONEN, L. M.

Galonen, L. M. On a certain simplification of a method of finding functionally inveriant solutions of the wave equation. Rostov. Gos. Univ. Uč. Zap. Fiz.-Mat. Fak. 32 (1955), no. 4, 173–178. (Russian)

A functionally invariant solution of the wave equation is a function u such that an "arbitrary" function of it, $f(u)$, is a solution of the wave equation. For two space variables, x, y, the determination of all functionally invariant solutions of the wave equation $u_{xx}+u_{yy}=u_{tt}$ amounts to finding all solutions of the system of two equations consisting of the wave equation and the first order equation $(u_x)^2+(u_y)^2=(u_t)^2$. The method referred to in the title is that of N. P. Erugin [Leningrad Gos. Univ. Uč. Zap. 15, 1948, pp. 101–134] who considered the wave equation in two and three space variables, and M. M. Smirnov [Leningrad. Gos. Univ. Uč. Zap. 21 (1950), 127–202] who considered the wave equation in four space variables. The simplification referred to in the title consists essentially of making use of the "method of variation of constants", as used by Lagrange in deriving a general integral of the first order partial differential equation $F(x, y, u, u_x, u_y)=0$ from a complete integral.

J. B. Diaz (Cambridge, Mass.).

GALCHEN, L. M.

Galchen, L. M. On functionally invariant solutions of partial differential equations of second order of ultrahyperbolic type. Rostov. Gos. Univ. Uč. Zap. Fiz.-Mat. Fak. 32 (1955), 179–180. (Russian)

[Cf. the preceding review.] The author determines the functionally invariant solutions of the ultrahyperbolic equation $u_{xx}+u_{yy}=u_{zz}+u_{tt}$ (that is, all solutions of the system consisting of this equation plus the first order equation $(u_x)^2+(u_y)^2=(u_z)^2+(u_t)^2$). *J. B. Diaz.*

AUTHOR: GALONEN,L.M. PA - 2363

TITLE: On the Punctual Invariant Solutions of the Wave Equation in the n-fold Domain. (O funtsionalno-invariantnykh resheniyakh volnovogo uravneniya v n-nernov oblasti, Russian).

PERIODICAL: Izvestiia Akad. Nauk SSSR, Ser. Mat., 1957, Vol 21, Nr 1, pp 53 - 72 (U.S.S.R.)

Received: 4 / 1957 Reviewed: 5 / 1957

ABSTRACT: In this paper the functional-invariant solutions of the wave equation with an arbitrary number of independent variables are dealt with. The results obtained generalize the known results obtained by N.P.ERUGIN, which relate to the case of a wave equation with three and four variables.

The paper is based on the well known fact that a solution, the arbitrary function of which also forms the integral of the equation is considered as the functional-invariant solution of the differential equation. In 1932 W.Smirnow and S.Sobolew developed a new method of solving the problem set by Cuachy for wave equations in the threedimensional domain with the aid of the functional-invariant solutions, on which occasion the results were used for the solution of a number of questions of the vibration theory and other problems of mathematical physics. In 1948 N.Erugin developed another method of obtaining the solutions and determined all classes of real and complex functional invariant solutions

PA - 2363

On the Functional-Invariant Solutions of the Wave Equation in the n-fold Domain.

of the wave equation in the two- and three-dimensional domain, M.M.Smirnow applied Erugin's method to the wave equation in the fourdimensional domain and in this way he increased the number of the independents, in this case, however, formulations become more complicated and a further generalization is rendered difficult. In this paper a possibility of changing the method of determining functional-invariant solutions is suggested whcih simplifies the method and makes it possible to apply it to any number of independent variables. By a somewhat voluminous computation comprising 68 formulae the following conclusion is arrived at: The result obtained is the formula by Smirnow-Sobolew:

$x_1 + \frac{n}{2} f_i(u)x_i + \sqrt{1 + \frac{n}{2} f_i^2 t + f_1(u)} = 0$, where f_i is an arbitrary function, u - corresponds to the equation of the characteristics. In the case of n = 4 and k = 3 it is true that

$u = \varphi(\frac{a_1}{a_4}, \frac{a_3}{a_4})$, and the result is

$$\left(a_4 - \sum_1^3 a_i \left(\frac{\delta a_4}{\delta a_i}\right)\right)^2 = \frac{\left[a_4\left(a_4 - \sum_1^3 a_i \frac{\delta a_4}{\delta a_i}\right)\right]^2}{\sum_1^3 a_i^2}$$

Card 2/3

PA - 2363

On the Functional Invariant Solutions of the Wave Equation in the n-fold Domain.

If it is assumed that $a_4 - \sum_1^3 a_i \frac{\delta a_4}{\delta a_i} = 0$ it is found that

$$u = \varphi\left(\frac{a_2}{a_1}, \frac{a_3}{a_1}\right), \quad a_5 = \varphi\left(\frac{a_2}{a_1}, \frac{a_3}{a_1}\right) + a\psi\left(\frac{a_2}{a_1}, \frac{a_3}{a_1}\right)$$

(Publications: The works by Smirnow,-Sobolew, S.Sobolew, N.Erugin, M.Smirnow, L.Galonen, and Hilbert & Kurant)

ASSOCIATION: Not given.
PRESENTED BY:
SUBMITTED: 8.12.1955
AVAILABLE: Library of Congress.

Card 3/3

GALONEN, L.M., dotsent, kand. fiz.-mat. nauk

Solution of the Cauchy problem for certain linear equations with variable coefficients. Trudy RISI no.6:259-265 '58.
(MIRA 12:6)
(Differential equations, Linear)

ACCESSION NR: AR4031071 S/0044/64/000/002/B089/B089

SOURCE: Referativny*y zhurnal. Matematika, Abs. 2B343

AUTHOR: Galonen, L. M.

TITLE: A new method of finding functional-invariant solutions of the wave equation and its applications to solving the Cauchy problem

CITED SOURCE: Tr. Rostovsk n./D. inzh.-stroit. in-ta, vy*p. 10, 1960, 61-78

TOPIC TAGS: wave equation, functional invariant solution, wave equation Cauchy problem, linear equation system integration

TRANSLATION: In the example of the wave equation, the author sets forth a method for finding functional-invariant solutions by means of reducing the problem to integrating a system of linear equations with some unknown functions. This method permits us to solve the Cauchy problem for the wave equation under certain limitations imposed on the initial data. M. Khudyakova

DATE ACQ: 19Mar64 SUB CODE: MM ENCL: 00

Card 1/1

GALONEN, L.M.

Nonsteady-state heat conduction problem for inhomogeneous laminated plates. Inzh.-fiz. zhur. no.12:81-84 D '63.
(MIRA 17:2)

1. Inzhenerno-stroitel'nyy institut, Rostov-na-Donu.

GALONEN, L.M.

Nonlinear problem of the heat transfer between a plane-parallel wall and a temperature-dependent source. Inzh.-fiz. zhur. 7 no. 3:124-127 Mr '64. (MIRA 17:5)

1. Inzhenerno-stroitel'nyy institut, Rostov-na-Donu.

GALONEN, L.M.

Stationary problem of the heat conductivity of a nonuniform plane-parallel wall under variable thermal conditions of its surfaces. Inzh.-fiz. zhur. 7 no.12:119-120 D '64
(MIRA 18:2)

1. Inzhenerno-stroitel'nyy institut, Rostov-na-Donu.

GALONEN, IU. M. and LUCHAI, G. A.

Pravila tekhnicheskoi eksploatatsii trolleibusov. [Rules for technical operation of trolleybuses]. (Sostavleny Tekhnicheskim otdelom, Glavtramvaia Narodnogo komissariata kommunal'nogo khoz-va RSFSR). Moskva, Izd-vo Narkomkhoza, 1946. 96 p.

Trolleibusnyi transport. [Trolleybus transportation]. (Elektrichestvo, 1947, no. 9, p. 18-24). DLC: TK4.E73

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

GALONEN, YU. A.

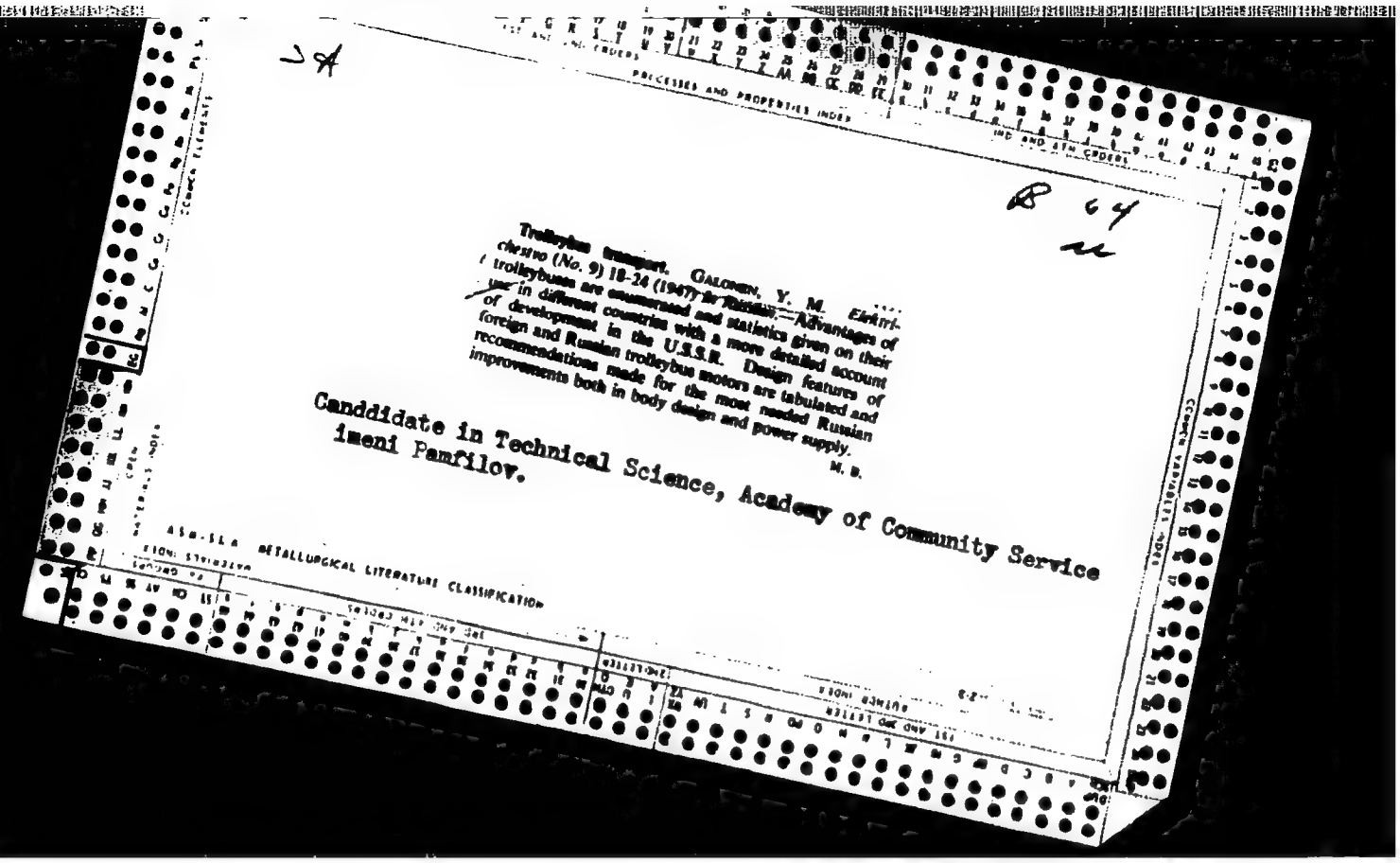
USSR/Electronics Mar 1947

"An Investigation of the Intensity of a Spark Formation," Yu M Galonen, 1 pp

"Elektrichestvo" No 3

1 schematic diagram

1T4



PROCESSES AND PROPERTIES INDEX

Trolleybus transport. Galonen, Y. M. *Elektrichestvo* (No. 9) 18-24 (1947) In Russian.—Advantages of trolleybuses are enumerated and statistics given on their use in different countries with a more detailed account of development in the U.S.S.R. Design features of foreign and Russian trolleybus motors are tabulated and recommendations made for the most needed Russian improvements both in body design and power supply.

M. B.

Canddidate in Technical Science, Academy of Community Service imeni Pamfilov.

METALLURGICAL LITERATURE CLASSIFICATION

GALONEN, YU. M.

PA 38/49T17

USSR/Electricity
Railroads, Electric Mar 49

"The All-Union Meeting of VNITO of Municipal Electro-Transport," Yu. M. Galonen, Cand Tech Sci, A. G. Fayn, Engr, 1½ pp

"Elektrichestvo" No 3

All-Union Conference of the Sci Eng Tech Soc of Mun Electro-Transport was held 6 - 10 Dec 48 in Riga with 170 delegates attending. Administrative report was given by Society's president, Prof Rosenfel'd, Dr Tech Sci. Many reports were made on modernization, unification, and automatic operation of railroads.

38/49T17

GALONEN, YU. M.

20047 GALONEN, YU. M. Iz istorii russkogo tramvaya elektrichestvo, 1949, No. 6, s. 29-37. — Bibiogr: 11 nazv.

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949.

USSR/Electricity - Literature
Street Railroads Jan 50

"Review of S. G. Blanter's Book; 'The Electrical Equipment of Traction Substations,'" Yu. M. Galoven, Cand Tech Sci, 1 p

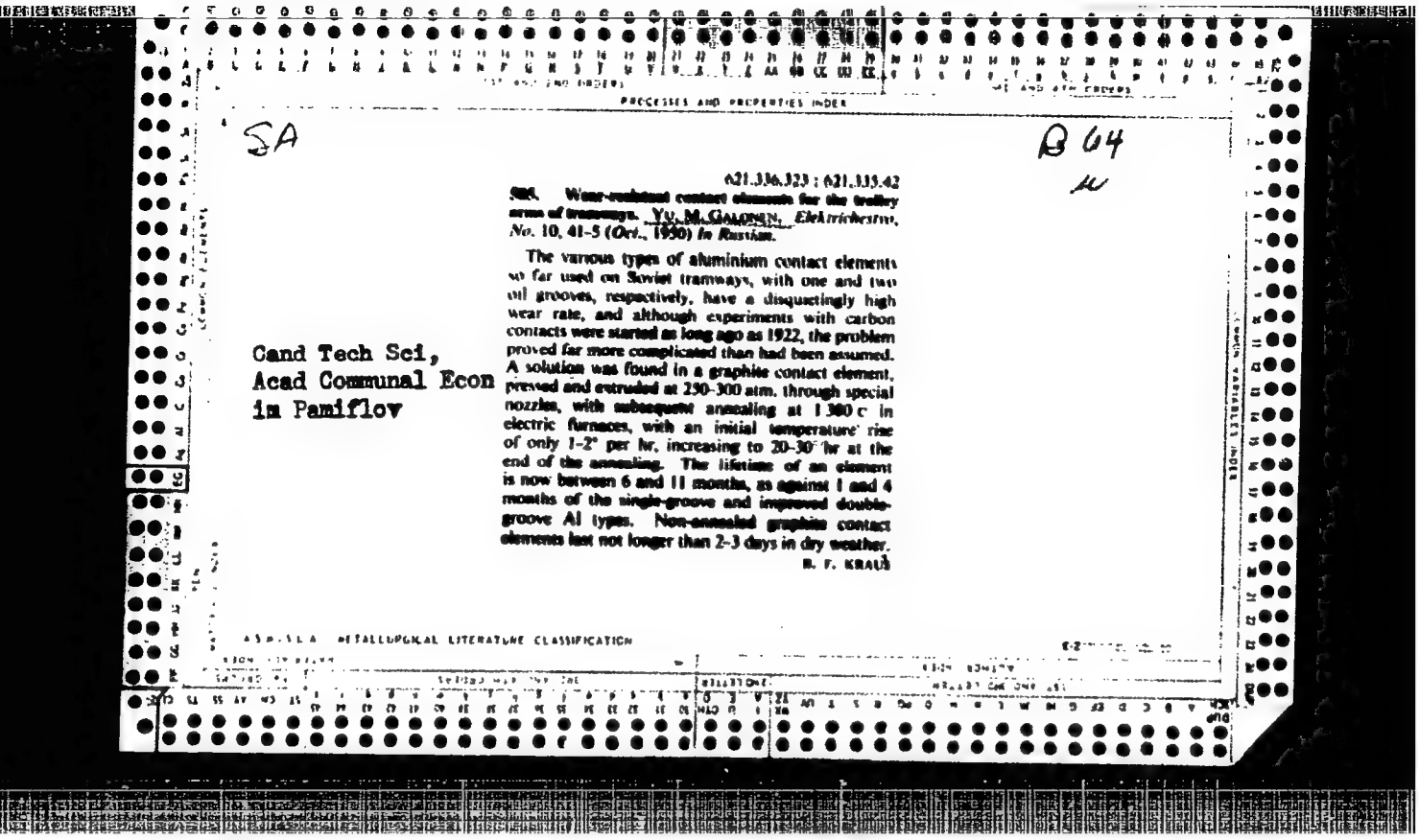
"Elektrichestvo" No 1

Book (intended for engineers, technicians, and students) deals with various aspects of substations for trolley buses and streetcars; e. g., theoretical principles of substation equipment and their realization in practice, principles of automatic substation operation and proper

USSR/Electricity - Literature (Contd) 157T32 Jan 50

selection of equipment, etc. Despite some defects, it is considered a valuable guide. Published by Min of Communal Econ RSFSR, 1948, 349 pp, 28 rubles.

157T32



PROCESSES AND PROPERTIES INDEX

SA

B 64

621.336.323 : 621.335.42

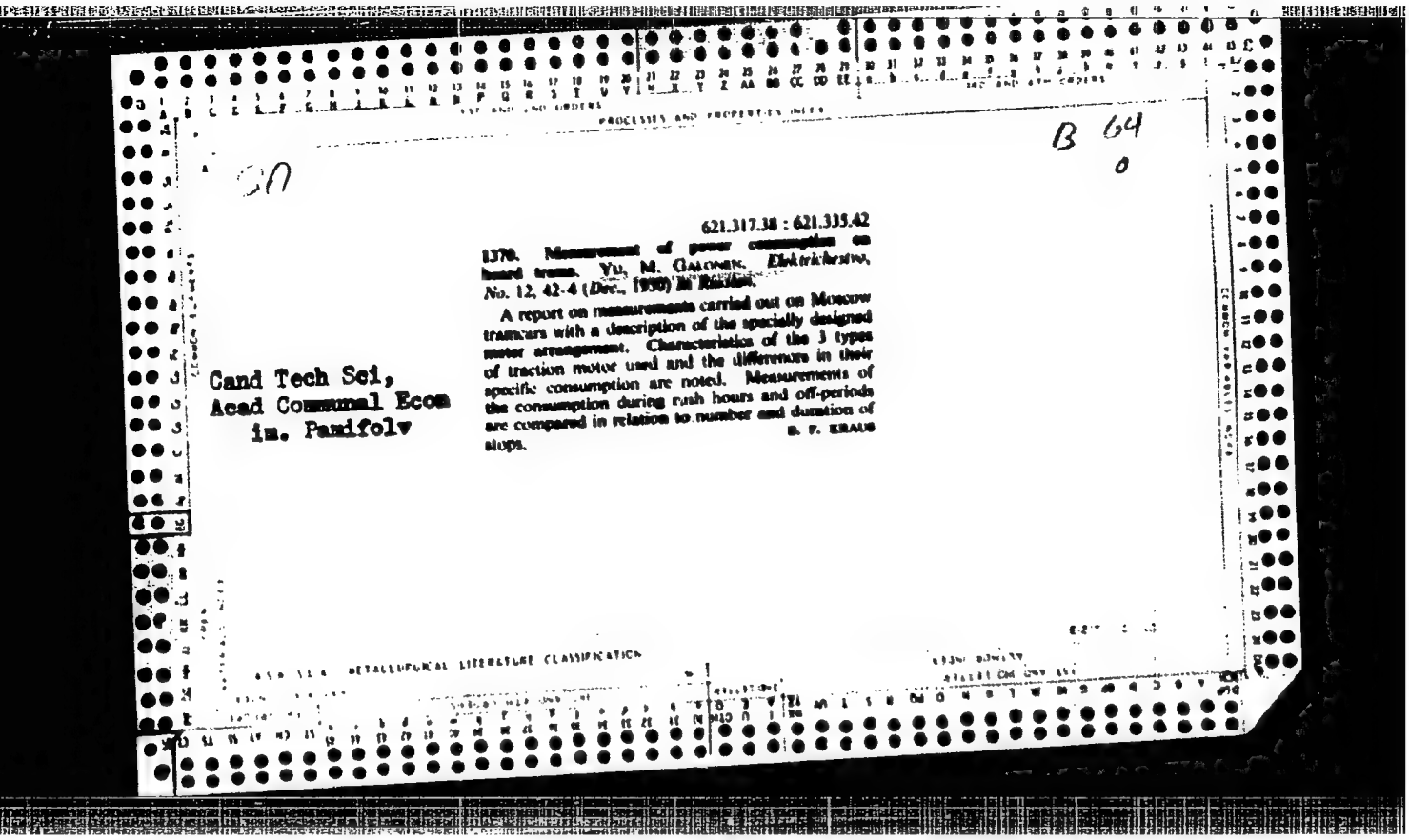
Wear-resistant contact elements for the trolley arms of tramways. Yu. M. GALOPEN. *Elektrichestvo*, *No.* 10, 41–5 (*Oct.*, 1950) *In Russian.*

The various types of aluminium contact elements so far used on Soviet tramways, with one and two oil grooves, respectively, have a disquietingly high wear rate, and although experiments with carbon contacts were started as long ago as 1922, the problem proved far more complicated than had been assumed. A solution was found in a graphite contact element, pressed and extruded at 250–300 atm. through special nozzles, with subsequent annealing at 1 380 c in electric furnaces, with an initial temperature rise of only 1–2° per hr, increasing to 20–30° hr at the end of the annealing. The lifetime of an element is now between 6 and 11 months, as against 1 and 4 months of the single-groove and improved double-groove Al types. Non-annealed graphite contact elements last not longer than 2–3 days in dry weather.

B. F. KRAUS

Cand Tech Sci,
Acad Communal Econ
im Pamiflov

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



B 64
0

621.317.38 : 621.335.42

1370. Measurement of power consumption on board trams. Yu. M. Galonin. *Elektrichestvo*, No. 12, 42-4 (Dec., 1950) in Russian.

A report on measurements carried out on Moscow trams, with a description of the specially designed meter arrangement. Characteristics of the 3 types of traction motor used and the differences in their specific consumption are noted. Measurements of the consumption during rush hours and off-periods are compared in relation to number and duration of stops.

B. P. KRAUS

Cand Tech Sci,
Acad Communal Econ
im. Pamfilov

GALONEN, Yu. M.

USSR/Electricity - Traction, Electric Conferences — Feb 52

"A Conference on Trolley Coach Transportation," Yu. M. Galonen, Cand Tech Sci, A. G. Fayn, Engr

"Elektrichestvo" No 2, pp 91, 92

The VNITO GET (All-Union Sci and Tech Soc of Mun Elec Transp) held a scientific and tech conference on trolley coach transportation in Rostov-on-Don 24 - 27 Oct 51. The conference emphasized the need for introducing progressive methods in repairing and driving trolley coaches and took the corresponding resolutions.

208T40

USSR/Electricity - Electric Traction Sep 52
Solenoids

"Experimental Study of the Solenoids Used in the Electric Drive of Trolley Switches," Yu. M. Galonen, Cand Tech Sci, Acad of Communal Econ imeni Pamfilov

"Elektrichestvo" No 9, pp 70-73

Data on an exptl study of solenoid elec drive used for the trolley switches in the "Moselektrotrans" Trust. Clarifies the reasons for the tendency of solenoids to break down in operation, recommending measures to eliminate this tendency. Makes general conclusions on the need for studying traction equipment under emergency operating conditions.

232T59

Submitted 3 Mar 52.

232T59

232T59

GALONEN, Yu. M.

Jan 53

USSR/Electricity - Eletric Traction
Literature

"Books on Electrical Equipment of Trolley busses," Yu. M. Galonen

Elektrichestvo, No 1, pp 92-95

Reviews following 4 books: (1) "Trolley busses. Part II. Electrical Equipment" (Trolleybusy. Chast' II. Elektricheskoye oborudovaniye), by I. S. Yefremov; (2) "Electrical Equipement of Type MTB Trolley busses" (Elektrooborudovaniye trolleybusov tipa MTB), by A. S. Rebrov; (3) "Trolley busses and Their Operation" (Ustroystwo i ekspluatatsiya trolleybusov), by S. A. Rebrov; (4) "Textbook for Trolley bus Drivers" (Uchebnoye posobiye dlya voditeley trolleybusa), by V. L. Markovnikov and D. I. Perkis.

253T24

[illegible], T. T.

Trolley Buses

Traction motor for trolley buses. Elektrichestvo No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress
June 1953. UNCL.

GALONEN, Yu. M.

Apr 53

USSR/Electricity - Automobiles

"Conference on Electric Automobiles," Cand Tech Sci Yu. M. Galonen

Elektrichestvo, No 4, pp 95-96

Lists and discusses briefly reports given by 8 persons at conference on electric automobiles held 22 Oct by Auto Lab of Inst of Machine Studies, Acad Sci USSR. Participants included representatives of Sci-Res Automotor Inst (NAMI), Acad Municipal Economy im Pamiflov, VNITO GET, Moscow Auto-Mech Inst (MAMI), Mosgorispolkom, latter's Admin of Trolley bus Transport, and Leningrad Post OFFice.

258T34

GALONEN, Yu.M., kandidat tekhnicheskikh nauk.

New electric freight locomotive. [Abstract from Electric Engineering no. 6:537 '52. J.D. Gowans, B.A. Windell, A. Bredenberg.] Elektrichestvo no. 5:90 My '53. (MLRA 6:6)

(Electric locomotives)

GALONEN, Yu.M., kandidat tekhnicheskikh nauk. (reviewer)

"Calculations of traction in urban electric transportation." V.A.Iz"yurov. Reviewed by IU.M.Galonen. Elektrichestvo no.1:94-95 Ja '54. (MLRA 7:2)

(Iz"iurov, V.A.) (Electric railway motors)

GALONEN, Yu. M.

Subject : USSR/Electricity AID P - 956

Card 1/1 Pub. 27 - 25/25

Author : Galonen, Yu. M., Kand. of Tech. Sci.

Title : New books on urban electric transportation (Bibliography)

Periodical : Elektrichestvo, 10, 95-96, O 1954

Abstract : A detailed review of four new books is given, namely: G. V. Fedorov, L. S. Sokolov. Rolling Stock of the Subway. M., 1954, 335 p. I. S. Yefremov. Trolleybusses - Basis of Theory, Construction and Calculation, M., 1954, 480 p. M. P. Kutylovskiy. Electric Equipment of Street Cars. M., 1953, 275 p. M. S. Chertok. Tramway Cars (KTM-1, KTP-1 and MTV-82), M., 1953, 280 p.

Institution : Not given

Submitted : No date

GALONEN, Yu.M., kandidat tekhnicheskikh nauk.

Review of D.S.Chukaev's book "Household uses of electricity."
Gor.khoz.Mosk.28 no.2:43 F '54. (MLRA 7:5)
(Electric apparatus and appliances, Domestic)
(Chukaev, D.S.)

GALONEN, Yu.M., kandidat tekhnicheskikh nauk.

"Trolley buses." I.S.Efremov, V.L.Markovnikov. Reviewed by IU.M.Galonen. Gor.khoz. Mosk. 28 no.8:31-32 Ag '54. (MLRA 7:9)
(Trolley buses)

GALONEN,Yu., kandidat tekhnicheskikh nauk; BLATNOV,M., kandidat tekhnicheskikh nauk; BONDAREVSKIY,D., kandidat tekhnicheskikh nauk; TOMLYANOVICH,D., kandidat tekhnicheskikh nauk

New textbook for streetcar operators ("Operating a streetcar." G.M.Knerel'. Reviewed by IU.Galonen and others). Zhil.-kom.khoz.5 no.4:30'55. (Street railways) (MLRA 8:9)

AID P - 3464

Subject : USSR/Electricity

Card 1/2 Pub. 27 - 31/32

Author : Galonen, Yu. M., Kand. of Tech. Sci.

Title : Book review: Elektricheskaya tyaga na gorodskom transporte (Electric Traction in City Transportation), 356 pp. and B. T. Kyznetsov: Tyagovyye seti tramvaya i trolley busa (Traction Networks of the Streetcar and Trolleybus), 312 pp. Both published by the Ministry of Municipal Services of the Russian S.S.R.

Periodical : Elektrichestvo, 10, 86-87, O 1955

Abstract : Both books are approved by the Ministry of Municipal Services as textbooks for technical schools in electrical engineering. The author discusses separate chapters of both books and points out certain deficiencies which ought to be corrected in further editions. The books contain much practical reference material and the author considers them very useful not only as textbooks,

Elektrichestvo, 10, 86-87, O 1955 AID P - 3464

Card 2/2 Pub. 27 - 31/32

but also for design engineers, manufacturers and operators employed in city transportation.

Institution : Academy of Municipal Services im. Pamfilov

Submitted : No date

GALOKHN, Yu.M., kandidat tekhnicheskikh nauk.

A valuable manual ("Operation and repair of electric streetcars and buses", D.I.Bondarevskii. Reviewed by Iu.M.Galoshn). Gor. khoz. Mosk. 29 no.10:39 O '55. (MLRA 9:2)
(Streetcars) (Trolley buses) (Bondarevskiy, D.I.)

GALONEN, Yu.M., kandidat tekhnicheskikh nauk.

"Domestic electric appliances". D.S.Chukaev. Reviewed by IU.M.Galonen. Energetik 4 no.4:38-40 Ap '56. (MLRA 9:7)
(Electric apparatus and appliances, Domestic)(Chukhaev, Dmitrii Sergeevich)

GALONEN, Yu.M., kandidat tekhnicheskikh nauk.

Wear of the trolley wire of a trollwy bus system. Elektrichestvo no.6:86-87 Je '56. (MLRA 9:9)
(Trolley buses)

GALONEN, Yu. M., kandidat tekhnicheskikh nauk.

Electric traction in other countries. Elektrichestvo no.9:81-85 S '56. (MLRA 9:11)

(Electric railroads)

GALONEN, Yu.M., kandidat tekhnicheskikh nauk.

A useful book ("Trolley bus collectors" by K.V.Ivin, A.N. Trofimov, G.G.Engel's. Reviewed by IU.M.Galonen). Gor.khoz.Mosk.30 no.11:39-40 N '56. (MLRA 10:3)

(Electric current collectors)

(Ivin, K.V.) (Trofimov,A.N.) (Engel's, G.G.)

GALONEN, Yu.M., kandidat tekhnicheskikh nauk.

Development of battery-operated electric railroad cars in western Europe. Elektrichestvo no.1:87-89 Ja '57. (MLRA 10:2)
(Europe, Western--Electric railroads--Cars)

Galonen Yu M.

105-8-18/20

AUTHOR: 1) VEYTS,V.I., Corresponding member of Academy of Science of the U.S.S.R.
2) Author not given
3) BASHUK,I.B., Ass.Prof., cand.techn.sc.
4) GALONEN,Yu.M., cand.techn.sc.

TITLE: 1) Refers to the Article by John HARDT. (Po povodu stat'i Dzhona Khardta, Russian)
2) An American Magazine on the Soviet Power Economy. (Amerikanskiy zhurnal o sovetskoy energetike, Russian)
3) On the Industrial Use of Strong Germanium Rectifiers. (Promyshlennoye primeneniye moshchnykh germaniyevykh vypryamiteley, Russian)
4) The Urban Railless Electric Traffic Abroad. (Gorodskoy bezrel'sovyy elektrotransport za rubezhom, Russian)

PERIODICAL: Elektrichestvo, 1957, Nr 8, pp 77 - 90 (U.S.S.R.)

ABSTRACT: 1) A criticism of and answer to the article in "Electrical Engineering", Vol 75, p 908, Nr 11, 1956. The tendentious character of the article is deplored, a number of other, unbiassed English publications are pointed out and a survey on the present state of development in the U.S.S.R. is given. (12 Slavic references)

Card 1/2

GALONEN, Yu.M., kandidat tekhnicheskikh nauk.

Electrified municipal bus transportation in foreign countries.
Elektrichestvo 8:84-90 Ag '57. (MLRA 10:9)
(United States--Trolley buses)
(Europe, Western--Trolley buses)

YEFREMOV, I.S., doktor tekhn.nauk, prof; GALONEN, Yu.M., kand.tekhn.nauk.

Review of two books by V.N. Stasiuk: "Electric trains in open pit mining"; "Electric train transport of ore in underground mines." Elektrichestvo no.11:95-96 N '57. (MIRA 10:10)
(Mine railroads)